

AMENDMENTS TO THE CLAIMS

Claims 1-39 were pending at the time of the Office Action.

Claims 1, 7, 16-19, 26, 29, 32-34, 36 and 38 are amended.

Claims 1-39 remain pending.

CLAIMS

1. (Currently Amended) A method comprising:

aggregating at least a part of one or more mote-addressed content indexes from a first set of motes, wherein at least one mote in the first set of motes comprises a device formed in a substrate having at least two of a semi-autonomous computing functionality, a communication functionality, or a sensing functionality.

1. (Original) The method of Claim **Error! Reference source not found.**, wherein said aggregating at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

receiving at least a part of one or more mote-addressed indexes of the first set of motes.

2. (Original) The method of Claim **Error! Reference source not found.**, wherein said aggregating at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

creating one or more multi-mote content indexes of the first set of motes.

3. (Original) The method of Claim 2, wherein said creating one or more multi-mote content indexes of the first set of motes further comprises:

obtaining a listing of motes appropriate to at least one of the one or more multi-mote content indexes.

4. (Original) The method of Claim 2, wherein said creating one or more multi-mote content indexes of the first set of motes further comprises:

obtaining a listing of motes appropriate to at least one of the one or more multi-mote content indexes from a multi-mote registry.

5. (Original) The method of Claim 2, wherein said creating one or more multi-mote content indexes of the first set of motes further comprises:

obtaining a pre-loaded listing of motes appropriate to at least one of the one or more multi-mote content indexes.

6. (Currently Amended) The method of Claim 2, wherein said creating one or more multi-mote content indexes of the first set of motes further comprises:

obtaining a listing of motes appropriate to at least one of the one or more multi-mote content indexes from one or more motes to be included in the listing.

7. (Original) The method of Claim 2, wherein said creating one or more multi-mote content indexes of the first set of motes further comprises:

receiving at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index from a reporting entity at a mote of the first set of motes.

8. (Original) The method of Claim 2, wherein said creating one or more multi-mote content indexes of the first set of motes further comprises:

receiving at least a part of at least one of a mote-addressed routing/spatial index from a reporting entity at a mote of the first set of motes.

9. (Original) The method of Claim **Error! Reference source not found.**, wherein said aggregating at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

receiving at least a part of one or more multi-mote content indexes of the first set of motes.

10. (Original) The method of Claim 9, wherein said receiving at least a part of one or more multi-mote content indexes of the first set of motes further comprises:

receiving at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index from a multi-mote reporting entity at a mote of the first set of motes.

11. (Original) The method of Claim 9, wherein said receiving at least a part of one or more multi-mote content indexes of the first set of motes further comprises:

receiving at least a part of a mote-addressed routing/spatial index from a multi-mote reporting entity at a mote of the first set of motes.

12. (Original) The method of Claim **Error! Reference source not found.**, wherein said aggregating at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

creating an aggregate of at least a part of one or more multi-mote content indexes of the first set of motes.

13. (Original) The method of Claim 12, wherein said creating an aggregate of at least a part of one or more multi-mote content indexes of the first set of motes further comprises:

aggregating at least a part of at least one of a mote-addressed sensing index, a mote-addressed control index, or a mote-addressed routing/spatial index of a multi-mote content index.

14. (Original) The method of Claim 12, wherein said creating an aggregate of at least a part of one or more multi-mote content indexes of the first set of motes further comprises:

aggregating at least a part of a mote-addressed routing/spatial index of a multi-mote content index.

15. (Currently Amended) The method of Claim **Error! Reference source not found.**, wherein said aggregating at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

migrating the aggregating to a first mote of the first set of motes;

installing a multi-mote index creation agent at the first mote; and

receiving at least a part of one or more mote-addressed content indexes of a second mote with the multi-mote index creation unit.

16. (Currently Amended) A system comprising:

~~means for an~~ aggregating device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes, wherein at least one mote in the first set of motes comprises a device formed in a substrate having at least two of a semi-autonomous computing functionality, a communication functionality, or a sensing functionality.

17. (Currently Amended) The system of Claim 16, wherein said ~~means for~~ aggregating device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for receiving at least a part of one or more mote-addressed indexes of the first set of motes.

18. (Currently Amended) The system of Claim 16, wherein said ~~means for~~ aggregating device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating one or more multi-mote content indexes of the first set of motes.

19. (Original) The system of Claim 18, wherein said (Currently Amended) The system of Claim 16, wherein said ~~means for~~ aggregating device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating one or more multi-mote content indexes of the first set of motes further comprises:

means for obtaining a listing of motes appropriate to at least one of the one or more multi-mote content indexes.

20. (Original) The system of Claim 18, wherein said (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating one or more multi-mote content indexes of the first set of motes further comprises:

means for obtaining a listing of motes appropriate to at least one of the one or more multi-mote content indexes from a multi-mote registry.

21. (Original) The system of Claim 18, wherein said (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating one or more multi-mote content indexes of the first set of motes further comprises:

means for obtaining a pre-loaded listing of motes appropriate to at least one of the one or more multi-mote content indexes.

22. (Original) The system of Claim 18, wherein said (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating one or more multi-mote content indexes of the first set of motes further comprises:

means for obtaining a listing of motes appropriate to at least one of the one or more multi-mote content indexes from one or more motes to be included in the listing.

23. (Original) The system of Claim 18, wherein said (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating one or more multi-mote content indexes of the first set of motes further comprises:

means for receiving at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index from a reporting entity at a mote of the first set of motes.

24. (Original) The system of Claim 18, wherein said (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating one or more multi-mote content indexes of the first set of motes further comprises:

means for receiving at least a part of at least one of a mote-addressed routing/spatial index from a reporting entity at a mote of the first set of motes.

25. (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for receiving at least a part of one or more multi-mote content indexes of the first set of motes.

26. (Original) The system of Claim 25, wherein said (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for receiving at least a part of one or more multi-mote content indexes of the first set of motes further comprises:

means for receiving at least a part of at least one of a mote-addressed sensing index or a mote-addressed control index from a multi-mote reporting entity at a mote of the first set of motes.

27. (Original) The system of Claim 25, wherein said (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for receiving at least a part of one or more multi-mote content indexes of the first set of motes further comprises:

means for receiving at least a part of a mote-addressed routing/spatial index from a reporting entity at a mote of the first set of motes.

28. (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating an aggregate of at least a part of one or more multi-mote content indexes of the first set of motes.

29. (Original) The system of Claim 28, wherein said 28. (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating an aggregate of at least a part of one or more multi-mote content indexes of the first set of motes further comprises:

means for aggregating at least a part of at least one of a mote-addressed sensing index, a mote-addressed control index, or a mote-addressed routing/spatial index of a multi-mote content index.

30. (Original) The system of Claim 28, wherein said 28. (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for creating an aggregate of at least a part of one or more multi-mote content indexes of the first set of motes further comprises:

means for aggregating at least a part of a mote-addressed routing/spatial index of a multi-mote content index.

31. (Currently Amended) The system of Claim 16, wherein said ~~means for aggregating~~ device to aggregate at least a part of one or more mote-addressed content indexes from a first set of motes further comprises:

means for migrating the aggregating to a first mote of the first set of motes;

means for installing a multi-mote index creation agent at the first mote; and

means for receiving at least a part of one or more mote-addressed content indexes of a second mote of the first set of motes with the multi-mote index creation unit.

32. (Currently Amended) A system comprising:

a mote comprising a device formed in a substrate having at least two of a semi-autonomous computing functionality, a communication functionality, or a sensing functionality; and

means for aggregating at least a part of one or more mote-addressed content indexes from a first set of motes, said means for aggregating with a reporting entity disposed proximate to a portion of said mote.

33. (Currently Amended) A system comprising:

at least one mote comprising a device formed in a substrate having at least two of a semi-autonomous computing functionality, a communication functionality, and a sensing functionality; and

at least one multi-mote index creation agent resident in said at least one mote, said at least one multi-mote index creation agent configured to index at least a part of at least one mote-addressed content index including an index of content of other motes.

34. (Original) The system of Claim 33, wherein said at least one mote-addressed content index further comprises:

at least one of a sensing function, a control function, or routing/spatial information of the mote-appropriate device.

35. (Currently Amended) The system of Claim 33, wherein said device ~~at least one multi-mote index creation agent~~ further comprises:

a processor configured to execute the at least one multi-mote index creation agent to obtain at least one of a sensing function, a control function, or routing/spatial information.

36. (Original) The system of Claim 33, wherein said at least one mote comprises:

at least one of a processor, a memory, or a communications device formed from a substrate.

37. (Currently Amended) A system comprising:

~~at least one~~ a first mote; and

at least one multi-mote registry resident in said ~~at least~~ first one mote, said at least one multi-mote registry having one or more indicators of ~~one or more~~ a second mote's content to be indexed.

38. (Original) The system of Claim 37, wherein the one or more indicators of ~~one or more~~ a second mote's content to be indexed comprise:

one or more mote-network addresses.